

## INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: December 19, 2005

ATTY DOCKET NO.  
2005-1498ASERIAL NO.  
10/550,395APPLICANT  
Makoto SUNAGAWA et al.FILING DATE  
September 22, 2005

GROUP

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,587,374	12/1996	Perboni et al.			
	AB	5,104,867	4/1992	Kawamoto et al.			
	AC	5,242,914	9/1993	Kawamoto et al.			
	AD	5,679,790	10/1997	Abe et al.			
	AE	5,783,703	7/1998	Hayashi et al.			
	AF	5,534,510	7/1996	Abe et al.			
	AG	6,342,494	1/2002	Matsui et al.			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AH	03/089431	10/2003	WO			
	AI	0 538 001	4/1993	Europe			
	AJ	0 430 037	6/1991	Europe			
	AK						
	AL						

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AM	William J. Weiss, et al., "In Vivo Activities of Peptide Prodrugs of Novel Aminomethyl Tetrahydrofuranyl-1 $\beta$ -Methylcarbapenems", Antimicrobial Agents and Chemotherapy, Vol. 43, No. 3, pages 460-464, March, 1999.
	AN	L.D. Cama et al., "Total Synthesis of Thienamycin Analogs - III, Synthesis of 2-Aryl and 2-Heteroaryl Analogs of Thienamycin", Tetrahedron, Vol. 39, No. 15, pages 2531-2549, 1983.
	AO	Ravindra Nath Guthikonda et al., "Structure-Activity Relationships in the 2-Arylcarbapenem Series: Synthesis of 1-Methyl-2-arylcarbapenems", Journal of Medicinal Chemistry, Vol. 30, No. 5, pages 871-880, 1987.
	AP	Jeremy D. Hinks, et al., "Preparation and reactivity of carbapenem-2-stannane", Tetrahedron Letters, Vol. 41, No. 16, pages 2995-2998, 2000.

EXAMINER

DATE CONSIDERED

11/06/2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MB/

## INFORMATION DISCLOSURE STATEMENT

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: December 19, 2005

ATTY DOCKET NO.  
2005-1498ASERIAL NO.  
10/550,395APPLICANT  
Makoto SUNAGAWA et al.FILING DATE  
September 22, 2005

GROUP

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA	6,410,525	6/2002	Matsui			
	BB	5,208,348	5/1993	Iwasaki et al.			
	BC	5,153,187	10/1992	Iwasaki et al.			
	BD	5,583,218	12/1996	Takemura et al.			
	BE	5,258,509	11/1993	Nakagawa et al.			
	BF	2004/0063683	4/2004	Sunagawa et al.			
	BG	2005/0020566	1/2005	Sunagawa et al.			
	BH	5,011,832	4/1991	Dininno et al.			
	BI	5,025,006	6/1991	Dininno et al.			
	BJ	5,220,011	6/1993	DiNinno et al.			
	BK	5,292,879	3/1994	DiNinno et al.			
	BL	5,350,836	9/1994	Kopchick et al.			
	BM	2004/0242874	12/2004	Winkley et al.			
	BN						
	BO						
	BP						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
	BQ							

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	BR	
--	----	--

EXAMINER

DATE CONSIDERED

11/06/2007

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of form with next communication to applicant.

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MB/